| of Claims |
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James M. Mitchell

09/837,022

Examiner

Applicant(s)

KIMURA, HIROSHI

Art Unit

2827

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Canc lied

Restricted

Non-Elect d

Interference

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| Γ        |              | Claim  | Date         |          |   |          |    |          |   |   |          |   |   |   |                |    | _   |   |   |   |           |
|----------|--------------|--|--------------|----------|---|----------|----|----------|---|---|----------|---|---|---|----------------|----|-----|---|---|---|-----------|
| T        | _            |  |              | <        |   |          |    |          |   |   |          |   |   |   |                |    |     | _ | Γ | - |           |
| .        | Final        | <u> </u>   |              | 1        |   |          |    |          |   | 4 |          | l |   | ı |                | ١. |     | ı |   | ĺ |           |
| 1        | ίĒ           |  | Ē,           |          | 7 |          | ١  |          |   |   |          | l |   | ı |                | i  |     |   |   | ľ |           |
| L        |              |  |              | 0        |   |          | 1  |          | İ |   |          | ı | • |   |                |    |     |   |   |   |           |
| L        | · _          | 3 4  |              |          |   |          |    |          |   |   |          | L |   |   |                |    |     | Г |   | Ė | _         |
| L        |              | 12   | 2            | <u>_</u> | _ |          |    |          |   |   |          | Ľ |   |   |                |    |     |   |   |   | _         |
| 1        |              | 13   | 3_           |          | 4 | _        | 1  | _        | _ |   | _        | L |   |   |                |    |     |   |   |   |           |
| ┝        |              | 14   | -            | _        | 4 |          | 1  |          | 4 |   | _        |   | _ | L | 1              |    |     |   |   |   |           |
| ┝        |              | +5   | -            | #        | 4 | _        | 4  | _        | 4 |   | _        |   | _ |   | 4              |    | 4   |   | ⅃ |   |           |
| $\vdash$ | _            | 6  | -            | Ŧ        | 4 |          | 4  |          | 4 |   | 4        |   | _ |   | 4              |    | 4   |   | 4 | _ |           |
| $\vdash$ |              | 8  | -            | ł        | + |          | +  | _        | + | _ | 4        |   | 4 | - | 4              | _  | 4   | _ | 4 | _ | _         |
| H        | _            | 9  | -            | <u> </u> | + | -        | +  | -        | + | _ | 4        |   | 4 |   | +              |    | 4   |   | 4 |   | 4         |
| $\vdash$ |              | 10   | 5            | _        | t |          | t  | -        | + | _ | +        | - | + | _ | +              |    | +   |   | + |   | 4         |
| r        | _            | 1  |              | _        | t | -        | t  | -        | † | - | +        | - | + | _ | +              | -  | +   | - | + | _ | 4         |
| Ė        |              | 12   | 2            |          | † | _        | t  |          | t |   | 1        | _ | 7 | - | +              | _  | +   | _ | + | - | $\exists$ |
| Г        |              | 13   | 3            | _        | Ť | _        | t  |          | t | _ | †        |   | f | - | †              | _  | †   |   | + | - | ┪         |
|          |              | 14   | F            |          | T |          | T  |          | t | _ | Ť        | _ | 1 | _ | Ť              | _  | †   | _ | † | _ | 1         |
|          |              | 15   | 5            |          |   |          |    |          | T |   | T        |   | 7 |   | Ť              |    | t   |   | 1 |   | 1         |
| L        |              | 16   | ij           |          | Ŀ |          |    |          | Ι |   | 1        |   | 1 |   | T              |    | Ť   |   | † |   | 1         |
| L        |              | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17<br>18 |              |          | L |          |    |          | L |   | I        |   | Ι |   | Ι              |    | I   | Ť | T |   | 1         |
| L        | _            |  |              |          | L | _        | L  |          | L |   | 1        |   | 1 |   | I              |    | I   |   | Ι |   | ]         |
| H        |              |  |              | _        | L |          | L  |          | L | _ | 1        |   | 1 | _ | L              | •  | L   |   | L |   | ]         |
| ⊣        |              | 20   | +            | _        | L | _        | L  | _        | L | • | ļ        | _ | 1 |   | 1              |    | L   |   | L | _ |           |
| ├        |              | 20<br>21<br>22                                     | +            | _        | H | -        | Ļ. | _        | H | _ | ╀        | _ | + | _ | ╀              |    | L   | _ | ╀ | _ | ŀ         |
| ┝        |              | 23   | +            | -        | _ | 4        |    | -        | H | _ | ŀ        | _ | ╀ | _ | H              | _  | H   | _ | ╀ | - | ŀ         |
| ┝        | _            | 24   | +            | ٦        | _ | 4        | -  | 4        | L | , | ╀        | - | ╀ | _ | H              | -  | ┞   | _ | ŀ | - |           |
|          |              | 25   | $^{+}$       | ٦        | - | 7        | _  | ٦        | - |   | t        | _ | t | - | ┝              | _  | H   | _ | ╀ |   |           |
|          |              | 24<br>25<br>26                                     | $^{\dagger}$ |          | _ | 1        | _  | 7        | _ |   | H        |   | t |   | H              |    | -   |   | ╁ |   |           |
|          |              | 27   | T            |          | _ | 7        |    | 1        |   | _ | t        | _ | t | _ | H              | -  | H   | - | H | _ | ::        |
|          |              | 28<br>29   | I            |          |   | Ī        |    | 7        |   |   | Г        |   | Ī |   | Ī              |    | r   | _ | - |   |           |
|          |              | 29   | $\perp$      |          |   | I        |    |          |   |   |          |   |   |   |                |    | Т   | i | Г |   |           |
|          | 4            | 30   | L            | 4        |   | 1        |    | _        |   |   |          |   |   |   |                |    |     |   |   | T |           |
| _        | 4            | 31   | ╀            | 4        | _ | 4        |    | 4        | _ |   |          |   | L |   | _              |    |     |   |   | ╝ |           |
| -        | 4            | 32   | ╀            | 4        | _ | 4        | _  | 4        | _ | 4 | _        | _ | L | 4 | _              | 4  | _   | _ | _ | ╝ | :         |
| _        | +            | 33<br>34   | ╀            | +        | _ | +        | _  | +        | _ | 4 | _        | - | L | 4 | _              | 4  | _   | 4 | , | 4 |           |
| _        | +            | 35   | ╁            | +        | _ | +        | -  | +        | _ | + | _        | - | L | 4 | _              | 4  | _   | 4 | _ | 4 |           |
| _        | 7            | 36   | ├-           | $^{+}$   | _ | $^{+}$   | _  | t        | _ | ┨ | -        | - | _ | + | -              | +  | _   | + | _ | - |           |
| _        | 7            | 37   | T            | Ť        | _ | t        | -  | t        | - | t | _        | 1 | - | t | -              | +  | _   | + | - | - |           |
|          | 7            | 38   | T            | Ť        |   | t        |    | t        | _ | † | <u> </u> | 1 | _ | t | _              | †  | _   | 1 | - | - | ::        |
|          | $\Box$       | 39   |              | T        |   | T        |    | T        |   | † |          | 1 |   | † | _              | †  | _   | † | _ | 1 | ::        |
|          |              | 40   |              | Ι        |   | Ι        |    | Ī        |   | 1 |          | 7 |   | 1 |                | T  |     | † | _ | 1 |           |
|          | 4            | 41_  | L            | 1        |   | Γ        | _  | Γ        |   | I |          | 1 |   | Ι | ,              |    |     | Ť |   | 1 |           |
|          | $\downarrow$ | 42   | L            | 4        |   | L        |    | L        | _ | ſ |          | I |   | I |                | I  |     | T |   | ] |           |
|          | +            | 43<br>44   | <u> </u>     | +        |   | L        |    | L        | _ | 1 |          | 4 | _ | 1 | _              | 1  |     | 1 | _ | 1 |           |
|          | +            | <del>44</del><br>45                                | <u> </u>     | +        |   | ┞        |    | H        |   | + |          | 4 | _ | + | _              | 1  | _   | 1 | _ | 1 |           |
|          | +            | 45<br>46   |              | ╀        | - | -        | -  | $\vdash$ | _ | ŀ | ,        | + | 9 | + | <del>,</del> . | 1  | .,- | 1 |   | 1 |           |
|          | +            | 40<br>47   |              | ╁        | _ | $\vdash$ | _  | $\vdash$ | - | ┞ | _        | + | _ | + | _              | ╀  | _   | ╀ |   | - |           |
| _        | +            | 48   |              | t        | - | $\vdash$ |    | $\vdash$ | - | H | -        | + | _ | + | -              | H  |     | ╁ | _ | ł | ::        |
|          | 1            | 48<br>49   |              | t        |   | H        |    | ۲        | - | H | -        | t | - | t | -              | H  |     | ┢ | _ |   |           |
|          | 1            | 50   | _            | T        | ٦ | ۲        | 1  | _        | _ | r |          | t | _ | t | _              | t  | _   | H | _ |   |           |
|          |              |  | _            |          |   |          |    |          |   |   |          |   |   |   |                |    |     |   |   |   |           |

|          | aim      | 7        | Date         |          |          |           |              |              |              |            |          | -<br>    |          |            |          |            |                         |          |          |          |          |              |           |           |          |          |
|----------|----------|----------|--------------|----------|----------|-----------|--------------|--------------|--------------|------------|----------|----------|----------|------------|----------|------------|-------------------------|----------|----------|----------|----------|--------------|-----------|-----------|----------|----------|
| C1       |          | +        | Т            | _        | _        | _         | 무            | ate          | -            |            | _        |          | -        | L          | С        | aim        | ١.                      |          | _        |          | D        | ate          |           |           |          |          |
| Final    | Original |          |              |          |          |           |              |              |              |            |          |          |          |            | Final    | Original   |                         |          |          |          |          |              |           | ,         |          |          |
|          | 51       | $\perp$  |              | $\perp$  |          | L         | Ι            | $\Box$       |              |            |          |          |          |            |          | 101        | 1                       | <u> </u> | r        | +        | ╅        | +            | -         | _         | ┢        | ╁        |
|          | 52       | 1        | 1            |          |          | L         |              |              |              | $_{\perp}$ |          |          |          | Γ          |          | 102        | $\vdash$                |          | _        | t        | $\top$   | +            | $\exists$ | _         | ┢        | ╁        |
|          | 53       | 4        | 4            | 4        |          | L         | ┸            | 1            | _            | $\perp$    |          |          |          |            |          | 103        | Т                       |          |          | T        | 1        | 7            | $\neg$    | _         | ┢        | $\vdash$ |
| <u> </u> | 54       | ┸        | 1            | 4        |          | Ŀ         | ┸            |              | $\perp$      |            |          |          |          |            |          | 104        | Т                       |          |          | T        | 十        | 7            | 一         | -         |          | ┢        |
|          | 55       | 4        | 4            | 4        |          | L         | ┸            | Ŀ            | $\perp$      | _          | $\perp$  |          |          |            |          | 105        |                         |          |          | 1        | ╈        | $\dagger$    | $\dashv$  |           |          |          |
| .*       | 56       | $\perp$  | $\downarrow$ | 4        |          | L         | $\perp$      | $\perp$      | 1            | _          | _        |          |          |            |          | 106        |                         |          |          | T        | $\top$   | 1            | 7         |           |          |          |
|          | 57       | +        | +            | +        |          | L         | $\perp$      | $\downarrow$ | 4            | 4          | _        |          |          | L          |          | 107        |                         |          |          | Τ        | T        | T            | $\exists$ |           | П        |          |
|          | 58       | ╄        | +            | 4        |          | L         | +            | Ļ            | +            | 4          | 4        | _        |          | L          |          | 108        |                         |          |          | Ι        | Ι        | T            | 7         |           |          |          |
| -        | 59       | ╁        | ╀            | +        | _        | L         | $\perp$      | +            | $\downarrow$ | 4          | 4        | _        |          | L          |          | 109        |                         |          |          |          |          |              | T         |           |          |          |
|          | 60<br>61 | ╁        | +            | +        | 4        | _         | +-           | +            | +            | 4          | 4        | _        |          | L          |          | 110        |                         |          |          | L        |          | Ι            |           |           |          |          |
|          | 62       | ╀        | ╀            | +        | $\dashv$ |           | ┼-           | +            | +            | -          | +        | 4        |          | <u> </u> _ | _        | 111        |                         |          |          | L        | ┸        |              | Ī         |           |          |          |
| $\neg$   | 63       | ╁        | ╁            | +        | $\dashv$ | _         | ╁            | +            | +            | +          | +        | -        |          | ⊢          |          | 112        | $\vdash$                | _        |          | L        | $\perp$  | 1            | _         | _         |          |          |
|          | 64       | ╁╴       | ╁            | +        | +        |           | ┾            | ╁            | ╀            | +          | +        |          |          | H          | -        | 113        | Щ                       | 4        |          | L        | ↓_       | ┸            | $\perp$   |           |          |          |
|          | 65       | ╁        | +            | —        | -        | _         | ╁            | +            | +            | +          | +        | 4        |          | H          | +        | 114        |                         | -        | _        | L        | ╀        | $\downarrow$ | 4         | 4         | 4        | $\Box$   |
|          | 66       | T        | t            | +        | 7        |           | ┢            | +            | +            | +          | ╅        | $\dashv$ |          | <u> </u>   | $\dashv$ | 115<br>116 |                         | -        | _        | _        | ╀        | ╀            | 4         | 4         | 4        | _        |
|          | 67       | T        | T            | 1.       | 7        | _         | ╁            | $^{+}$       | $^{+}$       | +          | +        | $\dashv$ |          | H          | -+       | 117        |                         | -+       | _        | <u> </u> | ╀        | ╀            | +         | 4         | 4        | _        |
|          | 68       | T        | T            | 1        | 1        | _         | T            | +            | +            | +          | ╁        | 4        |          | H          | +        | 118        | $\dashv$                | $\dashv$ | -        | _        | ╀        | ╀            | +         | 4         | -4       | -        |
|          | 69       |          | T            | 1        | 1        | _         |              | T            | +            | 1          | +        | ٦        |          | -          | $\dashv$ | 119        | +                       | +        | $\dashv$ | _        | ╁        | ╁            | +         | +         | +        | -        |
|          | 70       |          |              | $\top$   | 7        |           |              | T            | $\top$       | $\top$     | +        | 4        |          | -          | +        | 120        | $\dashv$                | $\dashv$ | $\dashv$ |          | ├        | ╀            | +         | +         | $\dashv$ | $\dashv$ |
|          | 71       |          |              | Ι        |          |           |              | $\vdash$     | T            | $\top$     | $\top$   | 7        |          | _          | 7        | 121        | +                       | $\dashv$ | $\dashv$ |          | ⊢        | ╁            | +         | +         | $\dashv$ | $\dashv$ |
|          | 72       |          |              |          |          |           |              |              | T            |            | $\top$   | 7        |          |            | $\dashv$ | 122        | _                       | +        | ┪        |          | ╁        | ╁            | ╅         | +         | +        | $\dashv$ |
| _        | 73       | _        | L            | L        |          |           | ·            |              |              | $\perp$    |          |          |          |            | 7        | 123        | 7                       | $\top$   | 7        |          |          | ╁            | †         | +         | +        | 4        |
| _        | 74       | `        | L            | ╄        | 1        |           | ٠.           |              |              |            |          | ]        |          |            |          | 124        | 7                       | $\dashv$ | 7        | ٠.       | $\vdash$ | T            | $\dagger$ | +         | +        | $\dashv$ |
| -+       | 75       |          | L            | $\perp$  | 1        | _         |              | L            | L            | ┸          |          |          |          |            |          | 125        |                         | $\top$   | T        |          |          | İ            | Ť         | Ť         | 十        | 7        |
|          | 76       |          | ļ.           | ╄        | 4        | -         |              | L            | Ŀ            | $\perp$    | Ĺ        | 4        |          |            |          | 126        |                         |          |          |          |          | Γ            | T         | $\top$    | 十        | 7        |
|          | 77       | _        | _            | ╄        | +        | -         |              | <u>.</u>     | Ļ            | +          | 4_       | 4        |          |            |          | 127        | $\perp$                 |          |          |          |          |              | T         | 1         | $\top$   | $\neg$   |
|          | 78<br>79 | -        |              | ╄        | +        | -         |              | _            | 1            | ╀          | ╀        | 4        |          |            |          | 128        | $\perp$                 |          | $\perp$  |          |          |              | Τ         | T         | $\top$   | ٦        |
|          | 80       | -        |              | -        | ╀        | 4         |              | L            | Ŀ            | 4          | +        | 4        |          |            | 4        | 129        | 4                       | $\perp$  |          |          |          |              |           | Τ         | T        | ٦        |
|          | 81       | _        | _            | ⊢        | ╁        | +         | _            | _            | ⊢            | ╀          | ╇        | 4        | -        | -          |          | 130        | 4                       | 4        | 1        |          |          |              |           | $\perp$   | $\top$   |          |
|          | 82       | $\dashv$ | _            | Ė        | ╁        | +         | _            | _            | H            | ╀          | +-       | 4        | 1        |            |          | 131        | _                       | 4        | _        |          |          | L            | $\perp$   | L         |          |          |
|          | 83       |          | _            | $\vdash$ | +        | +         | $\exists$    | -            | ┝            | ╁╌         | +-       | 4        | ŀ        |            | +        | 132<br>133 | +                       | +        | 4        | 4        | _        |              | ╀         | 4         | $\perp$  | _        |
|          | 84       | 7        |              | $\vdash$ | t        | +         | $\dashv$     | _            | -            | ╁          | 1-       | -        | ŀ        |            |          | 134        | +                       | +        | 4        | 4        |          | _            | 1         | $\perp$   | _        | _        |
|          | 85       | $\neg$   | _            |          | t        | +         | 7            | _            | -            | ╁          | +-       | -        | ŀ        | _          |          | 135        | +                       | ┿        | +        | -        | -1       | _            | ╄         | +         | +        | 4        |
|          | 86       |          |              |          | T        | 7         | -            | _            |              | +          | +        |          | ŀ        |            |          | 136        | +                       | +        | +        | ┥        | ÷l       |              | ┾         | ╀         | +        | 4        |
|          | 87       |          |              |          |          | Ť         | 寸            |              |              | Т          | 1        | 1        | ۲        |            |          | 137        | +                       | ╅        | +        | +        | -1       | _            | ╀         | ╁         | ╀        | 4        |
|          | 38       |          |              |          |          |           |              |              |              |            |          |          | ı        |            |          | 38         | +                       | +        | +        | +        | -        | ٠,           | ╁╴        | ╁         | ╁        | $\dashv$ |
|          | 39       | $\perp$  |              |          | L        | I         |              |              |              |            | Τ        | 1        |          | -          |          | 39         | +                       | +        | $^{+}$   | 7        | $\neg$   | _            | ┝         | ╁         | ╫        | $\dashv$ |
| !        | 90       | 4        |              |          | L        |           |              |              |              |            |          | ]        | r        |            |          | 40         | 1                       | +        | +        | 7        | +        |              | ┢         | t         | +        | ┨        |
|          | 91       | _        | _            |          | L        | _         | $\perp$      |              |              |            |          | ]        | E        |            |          | 41         | $\top$                  | 1        | T        | 1        | $\neg$   | _            | <u> </u>  | $\vdash$  | +        | ┥.       |
|          | 92       | 4        | _            |          | L        | +         | $\downarrow$ | _            | _            |            |          |          | Ĺ        |            | 1        | 42         | $\perp$                 | Ι        | I        | 7        | 7        | _            | $\vdash$  | $\dagger$ | +        | ٦.       |
|          | 93       | +        | 4            |          | L        | 4         | 4            | 4            | _            | <u> </u>   | <u> </u> |          | L        |            |          | 43         | $oldsymbol{\mathbb{I}}$ | Ι        | Ι        |          |          |              |           | T         | 1        | 7        |
| -   }    | 94       | +        | 4            | _        | L        | +         | +            | 4            | _            | _          | <u> </u> |          | L        |            |          | 44         | L                       | $\Box$   | I        | Ι        |          |              | Ĺ         |           |          | 7        |
|          | 6        | +        | +            | $\dashv$ | _        | +         | +            | -            |              | <u> </u>   |          |          | L        |            |          | 45         |                         | . ~      | $\perp$  | $\perp$  |          | -            |           |           | 1        | ]        |
| ١,       |          | +        | +            | $\dashv$ |          | +         | +            | $\dashv$     |              | _          | Н        |          | L        |            |          | 46         | $\perp$                 | $\perp$  | 1        | 1        | _[       |              |           |           | $\perp$  | ]        |
|          | 8        | +        | +            | $\dashv$ |          | +         | +            | ┥            | $\dashv$     | _          | -        |          | 1        |            |          | 47         | +                       | -        | $\perp$  | 4        | 4        |              |           | L         | 1        | 4        |
|          | 9        | +        | $\forall$    | $\dashv$ | _        | $\dagger$ | +            | ┰            | -            |            | $\dashv$ |          | H        | •          | 1        | 48         | ╀                       | ┼-       | +        | 4        | 4        | _            |           | L         | 1_       | 4        |
|          | 00       | 7        | $\top$       | $\dashv$ | -        | $^{+}$    | +            | $\dashv$     | ᅥ            | _          | $\dashv$ |          | $\vdash$ | -          |          | 49<br>50   | +-                      | ┼        | +        | +        | 4        | 4            |           | _         | ↓_       | 4        |